LATE BINDING OF RESOURCE ALLOCATION IN A PERFORMANCE SIMULATION INFRASTRUCTURE

Abstract of the Invention

A performance simulation infrastructure for predicting the performance of software

5   systems separates the workload definition and performance evaluation components of the

simulation into separate and distinct stages. Workload definitions are generated in the first stage

as a sequence of associated resource usage requests (or "workload requests"). In a second stage,

an evaluation engine receives the workload definition sequence and simulates the system

performance, without continuously looping back to the workload definition generator for a new

10   state of the workload. Scheduling simulation of request events to appropriate hardware models is

deferred until the evaluation stage, thereby simplifying the workload definition operation.

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